

## **ABSTRACT OF THE DISCLOSURE**

An apparatus and method for enabling functionality of a component, wherein the apparatus includes a random number generating module for generating a  
5 random number, and a hash function module in communication with the random number generating module. A host is provided in communication with the random number generating module, and at least one memory in communication with the host is included. An encryption module in communication with the at  
10 least one memory is provided, and a comparing device in communication with the encryption module and the hash function module is included. The comparing device of the apparatus compares a first bit string to a second bit string to generate a function enable output for the component.